

10/587296

IAP6 Rec'd PCT/PTO 24 JUL 2006
Attorney Docket No. 2004P00166WOUS

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Johann Magg et al
Application Number: Unassigned
Filing Date: Concurrently Herewith
Group Art Unit:
Examiner:
Title: COFFEE MACHINE WITH A CONTINUOUS FLOW HEATER

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

DE 198 56 386 discloses that a curved, especially horseshoe shaped, heating device (30), particularly for heating water, forms part of a throughflow heater. A likewise curved throughflow pipe (20) for water is at least encased by a cover (40) of good heat conductive material, which is connected to the throughflow pipe by a flat solder union. The throughflow pipe is in heat conductive contact with the heating device (30) via the cover. The cover is formed by a plate strip which has the curved shape of the throughflow pipe and has flaps (42,44) which extend radially in relation to the curved throughflow pipe which it at least partly encloses. At least a part of the flaps narrows conically outwards.

CH 671 326 discloses that the coffee maker has a vertical through-flow water heater with a U-shaped tubular electric heating element (4), in intimate contact with the flow pipe (5) for the water between the outlet of the fresh water container (8) and the riser pipe (9) leading to the filter (11). The flow pipe (5) has a non-return valve (7) at the end which is coupled to the fresh water container (8) and is directly coupled to the riser pipe (9) at the other end. Pref. the flow pipe (5) and the tubular electric heating element (4) are formed from a single extruded Al profile with a solid bridge element (6) between the flow pipe (5) and heating

element (4). The curved section of the extruded profile pref has an attached temp regulator (15) and microswitch (16) for the electric heating current.

DE 28 56 518 discloses an electric coffee machine incorporating a fresh water container, from which water is routed to a coffee filter via a fresh water line, a downstream flow heater and a downstream hot water line, characterized in that a control chamber (8, 308) is connected to both ends of the flow heater (2), the fresh water container (301) and the hot water line or feed pipe (311), and that a swivelling pipe is routed through the control chamber (8; 308) and securely attached to one of the above line openings (10; 311), the free end of which lies in the vicinity of two further line connections (30, 32; 330, 332) and may be swivelled or slid between these two connections, together with a positioning device (18, 20, 22; 318, 320) for the swivelling or sliding pipe (14, 314).

DE 39 03 649 discloses electric flow heaters, in which a helical, metal-cased tubular heater is embedded in a plastic jacket which forms the flow tube, show a relatively high susceptibility for overheating, caused by calcification. The overheating can in this case go so far that it results in charring of the plastic. It is therefore the object of the present invention to create a flow heater which on the one hand has the advantages of the known plastic design, in which, however, on the other hand the plastic parts of the heater are prevented from being damaged, or even destroyed, by overheating. This object is achieved according to the invention in that the helical tubular heater (1) is surrounded by a metal envelope (2) and is embedded, together with said envelope, in the plastic casing (4).

DE 298 09 279 U 1 discloses a heating device for use in household appliances for the preparation of hot drinks incorporating an enclosed heating water chamber (20), into which a cold water inlet (22) discharges and from which a heating water feed line (28) projects, and a heater, characterized in that the heater is constructed in the form of a flow heater.

DE 83 35 620 U1 discloses a hose for the conveyance of fluids, including e.g. drinking water or beverages, incorporating a bendable longitudinal section of elastic material construction, characterized in that the wall of the hose (cold water line 22, hot water line 72), in its bendable longitudinal section (corrugated pipe sections 46, 74, 110) and for the enhancement of its bending properties, incorporates corrugations (protuberances 100) which

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run transversely to the longitudinal axis of the hose and which extend over part of the hose circumference only.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



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July 24, 2006

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Sheet 1

of 2

Complete if Known 409587296

Application Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Johann Magg et al
Art Unit	
Examiner Name	
Attorney Docket Number	200400166WOUS

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ "Kind Code ⁵ (if known)			
/R.A./		DE 198 56 386	07/27/2000	Gerhard Weber et al	
/R.A./		CH 671 326	08/31/1989	Walter Rummel	
/R.A./		WO 03/030696	04/17/2003	Robert Fanzutti et al	
/R.A./		DE 28 56 518	07/10/1980	Guenther Traunspurger et al	
/R.A./		DE 39 03 649	04/12/1990	Erich Hillinger	
/R.A./		DE 298 09 279 U 1	10/08/1998	W. Hermann	

Examiner Signature	/Reginald Alexander/	Date Considered	11/03/2009
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Sheet 2

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Date Concurrently Herewith

Named Inventor Johann Magg et al

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Miner Name

Case Number: 200400166WOUS

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Data MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ² -Number ³ -Kind Code ⁵ (If known)			
/R.A./	DE 83 35 620 U1		03/07/1985	Bosch-Siemens Haushgerate	
		International Search Report PCT/EP2005/050292			

Examiner Signature	/Reginald Alexander/	Date Considered	11/03/2009
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